# 1 SHEET PILE /	19,148	32,808	29,083	81,039	#. 1

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Tc = ((0.75 + r x Nmax) x L + a) x K / F (min/)

a, r :
L : (M
F :
Nmax: N
K : SHEET PILE

Fo = 1.0
. : f1=0.0
. : f2=0.0
. : f3=0.0

F = Fo + (f1 + f2 + f3) = 1.00

.SHEET PILE ( ): L = 8.50 m

. N : Nmax = 50

K = 1.05

a = 3.57

r = 0.02

Tc = ((0.75 + r * Nmax) * L + a) * K / F = 19.37

(1)

. (60 kw) : 1
. ( ) (40 ton) : 1
. (250 kw) : 1
. (20 ton) : 1
(60 %)

(2)

. : 2
. : 1
. : 1
. : 1

(3)

1) (60 kw)

. : 21,913 * Tc / 60 = 7,074.2

| | | | | 7,074.2 | 7,074.2 | E65300060 |

| | | | | 7,074.2 | 7,074.2 | |

2) (40 ton)

. : 10,939.68 * Tc / 60 = 3,531.6 | 3,531.6 | | | 3,531.6 | E21010040 |

. : 31,751 * Tc / 60 = 10,250.2 | | 10,250.2 | | 10,250.2 | E21010040 |

. : 31,913 * Tc / 60 = 10,302.5 | | | 10,302.5 | 10,302.5 | E21010040 |

| 3,531.6 | 10,250.2 | 10,302.5 | 24,084.3 | |

3) (250 kw)

. : 44,760.24 * Tc / 60 = 14,450.0 | 14,450 | | | 14,450 | E75050250 |

. : 12,438 * Tc / 60 = 4,015.4 | | 4,015.4 | | 4,015.4 | E75050250 |

. : 12,173 * Tc / 60 = 3,929.8			3,929.8	3,929.8	E7506O250
	14,450	4,015.4	3,929.8	22,395.2	
4) (20 ton) (60 %)					
. : 6,024.52 * Tc / 60 * 0.6 = 1,166.9	1,166.9			1,166.9	E2104O02O
. : 31,751 * Tc / 60 * 0.6 = 6,150.1		6,150.1		6,150.1	E2104O02O
. : 40,147 * Tc / 60 * 0.6 = 7,776.4			7,776.4	7,776.4	E2104O02O
	1,166.9	6,150.1	7,776.4	15,093.4	
(4)					
. : 93,650 * Tc / 60 / 8 * 2 = 7,558.3		7,558.3		7,558.3	L015
. : 50,683 * Tc / 60 / 8 * 1 = 2,045.2		2,045.2		2,045.2	L085
. : 69,109 * Tc / 60 / 8 * 1 = 2,788.8		2,788.8		2,788.8	L081
		12,392.3		12,392.3	
	19,148.5	32,808	29,082.9	81,039.4	
: 2002					
	19,148	32,808	29,083	81,039	

# 2 SHEET PILE ( ) /	6,181	15,159	11,976	33,316	#.2

Tc = ((0.75 + r x Nmax) x L + a) x K / F (min/)

a,r :
L : (M
F :
Nmax: N
K : SHEET PILE

Fo = 1.0
. : f1=0.05
. : f2=0.05
. : f3=0.05
F = Fo + (f1 + f2 + f3) = 1.15

            30 kw   45 kw   60kw

         a   K   a   K   a   K

SP-III   3.24 1.11 3.87 0.93 4.34 0.83

SP-IIIA 2.71 1.33 3.24 1.11 3.60 1.00

SP-IV   -   -   3.05 1.18 3.43 1.05

   r   0.00

. SHEET PILE ( ): L = 8.50 m

. N : Nmax = 50

K = 1.05

a = 3.43

r = 0.00

Tc = ((0.75 + r * Nmax) * L + a) * K / F = 8.95

(1)
. (45 kw) : 1
. ( ) (40 ton) : 1
. (150 kw) : 1
. (20 ton) : 1
(60 %)

(2)
. : 2
. : 1
. : 1
. : 1

(3)

1) (45 kw)

. : 17,066 * Tc / 60 = 2,545.6

			2,545.6	2,545.6	E65300045
			2,545.6	2,545.6	

2) (40 ton)

. : 10,939.68 * Tc / 60 = 1,631.8

	1,631.8			1,631.8	E21010040

. : 31,751 * Tc / 60 = 4,736.1		4,736.1		4,736.1	E21010040
. : 31,913 * Tc / 60 = 4,760.3			4,760.3	4,760.3	E21010040
	1,631.8	4,736.1	4,760.3	11,128.2	
3) (150 kw)					
. : 26,886.96 * Tc / 60 = 4,010.6	4,010.6			4,010.6	E75050150
. : 12,438 * Tc / 60 = 1,855.3		1,855.3		1,855.3	E75050150
. : 7,221 * Tc / 60 = 1,077.1			1,077.1	1,077.1	E75050150
	4,010.6	1,855.3	1,077.1	6,943	
4) (20 ton) (60 %)					
. : 6,024.52 * Tc / 60 * 0.6 = 539.1	539.1			539.1	E21040020
. : 31,751 * Tc / 60 * 0.6 = 2,841.7		2,841.7		2,841.7	E21040020
. : 40,147 * Tc / 60 * 0.6 = 3,593.1			3,593.1	3,593.1	E21040020
	539.1	2,841.7	3,593.1	6,973.9	
(4)					
. : 93,650 * Tc / 60 / 8 * 2 = 3,492.3		3,492.3		3,492.3	L015
. : 50,683 * Tc / 60 / 8 * 1 = 945.0		945		945	L085
. : 69,109 * Tc / 60 / 8 * 1 = 1,288.5		1,288.5		1,288.5	L081
		5,725.8		5,725.8	
	6,181.5	15,158.9	11,976.1	33,316.5	
	6,181	15,159	11,976	33,316	